



June 16, 2015

Coordination Group Meeting

FGDC – Business Highlights

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Steering Committee

- ◆ Met Thurs. June 11, 2015
- ◆ FGDC Current Activities
 - New members; GIRA; GAO Update; SC Standards vote; NGAC nominations
- ◆ National Address Database and GAO Response
- ◆ Geospatial Platform
- ◆ NSDI Strategic Plan/NGDAMP Plan Status
 - Included a call for broader participation
- ◆ Report on June 9-10 NGAC Meeting
- ◆ Inland Water NGDA Theme Report
 - USGS, FWS, USACE
- ◆ Meeting presentations to be posted on www.fgdc.gov
- ◆ Chair posed a challenge – What can the FGDC achieve that will make a real impact / difference, in the next 18 months?



Contact: Lucia Foulkes, FGDC OS, lfoulkes@usgs.gov
Read ahead: none

June 2015 NGAC Meeting – Agenda

- Leadership Dialogue
- FGDC Report
- NGAC Subcommittee Reports:
 - ◆ Outreach/Communications
 - ◆ 3D Elevation Program
 - ◆ Crowdsourced Geospatial Data
 - ◆ Geospatial Privacy
 - ◆ Landsat
- National Address Database Update
- NGS Datum Modernization Update
- Public Comment
- Member Updates

◆ Materials will be posted:
http://www.fgdc.gov/ngac/meetings/june-2015/index_html

Communications Subcommittee

- ◆ Overview/discussion of draft NSDI/Geospatial Platform communications strategy
- ◆ Initial comments provided by NGAC Communications subcommittee, full NGAC comments by June 19.
- ◆ Key points:
 - ◆ Need input and engagement from NGAC and non-Federal partners in developing goals, messages, approaches
 - ◆ Develop a variety of effective and adaptable tools – videos, social media, web presence, etc.



Crowd-Sourced Data Subcommittee

- ◆ Spotlight Session/Panel Discussion
- ◆ Highlighted key issues related to crowd-sourced geospatial data and discuss possible roles for FGDC/NGAC
- ◆ Speakers:
 - Alex Barth, OpenStreetMap, Mapbox
 - Mikel Maron, Presidential Innovation Fellow, State Department
 - Lea Shanley, Presidential Innovation Fellow, NASA
 - Jay Benforado, EPA



NGAC Highlight: Crowd-Sourced Geospatial Data

- ◆ Follow-on meeting on Thursday morning
- ◆ Forum on Crowd-Sourced Geospatial Data and Citizen Science
 - Objective: Provide a forum to share activities of interest to the geospatial community on the application of crowd-sourced data and citizen science. Identify opportunities for sharing best practices and for collaboration on critical projects.

3DEP Subcommittee

- ◆ The NGAC approved the 3DEP subcommittee paper providing comments on the NAPA Flood Mapping Report
- ◆ The NGAC approved the following resolution:

“The NGAC endorses the following recommendation in the National Academy of Public Administration’s (NAPA) “FEMA Flood Mapping: Enhancing Coordination to Maximize Performance” report:

Recommendation 15: The Office of Management and Budget should use the 3DEP implementation plan for nationwide elevation data collection to guide the development of the President’s annual budget request.

The NGAC encourages the FGDC agencies and OMB to consider and take action to implement this recommendation.”



NGAC Discussion - 2015/16 Priorities

Challenge from the FGDC Chair - Identify potential FGDC focus areas for next 18 months

1. Data Initiatives:

- National Address Database
 - ◆ Develop and implement approach for a National Address Database. Ensure governance & funding models meet needs of major stakeholders.
- 3D Elevation Program
 - ◆ Make significant advancements in the 3DEP initiative. Secure funding commitments for enhancement and institutionalization of program.

NGAC Discussion - 2015/16 Priorities

2. Communications Strategy

- ◆ Finalize and implement national communications strategy for NSDI and Geospatial Platform.
- ◆ Seek input and engagement from NGAC and non-Federal partners in developing goals, messages, approaches
- ◆ Develop a variety of effective and adaptable tools – videos, social media, web presence, etc.

3. Geospatial Platform

- ◆ Make significant advancements to further develop and institutionalize the Geospatial Platform
- ◆ Continue to collaborate with external partners on communities, shared services, etc.

NGAC Call for Nominations

- ◆ The DOI and FGDC are seeking nominations for appointment to the NGAC
- ◆ Nominations received through this call may be used to fill vacancies that become available in 2015 and 2016
- ◆ Federal Register announcement – June 5, 2015
<https://www.federalregister.gov/articles/2015/06/05/2015-13758/call-for-nominations-to-the-national-geospatial-advisory-committee>
- ◆ Submission guidance on www.fgdc.gov
- ◆ Complete nominations materials must be received by July 17, 2015

Next Steps

◆ NGAC Subcommittees:

- Subcommittees develop draft papers by September NGAC meeting
- Subcommittees develop final draft papers prior to the December NGAC meeting

◆ NGAC Nominations

- NGAC members encouraged to distribute call for nominations; consider applying for reappointment.

◆ Next NGAC meetings:

- September 1-2 (Shepherdstown)
- December Webinar Meeting (date TBD)

2014 GAO Engagement

- ◆ GAO report released on March 16, 2015 - Engagement (311299)
 - Nine recommendations, four to FGDC
 - DOI and FGDC OS response to four recommendations was coordinated with DOI, FGDC Chair, Geospatial Platform Managing Partner (OCIO); DOC/Census, DOT; NDOP
- ◆ Letter is being drafted from the FGDC Chair to the action leads directing their execution of the recommendations

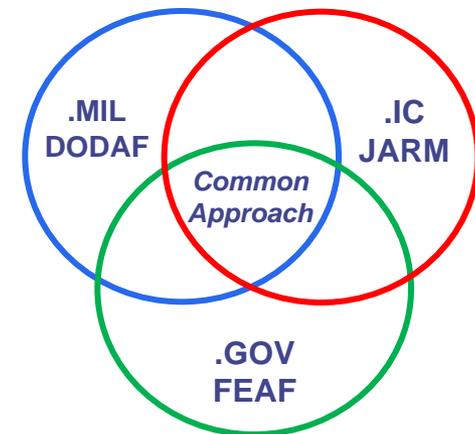
Geospatial Interoperability Reference Architecture (GIRA) 2.0

Goal: Develop Shared Governance Strategy for GIRA as an On-Line Collaboration Resource

Stewardship: The GIRA is intended to be a dynamic resource that is enhanced by contributions from the geospatial community of practice, including non-Federal inputs.

This approach is in keeping with the intent of the **National Spatial Data Infrastructure**; the **Information Sharing Environment**; the managed portfolio approach for partner of the **GeoPlatform**; and the objectives of the DHS led interagency **Geospatial Concepts of Operations (GeoCONOPS)**.

GIRA STEWARDSHIP



Establish common taxonomies for architecture shared services and information technology investments.

Geospatial Interoperability Reference Architecture (GIRA) 2.0

FGDC Executive Committee is voting on their support by 6/12/15

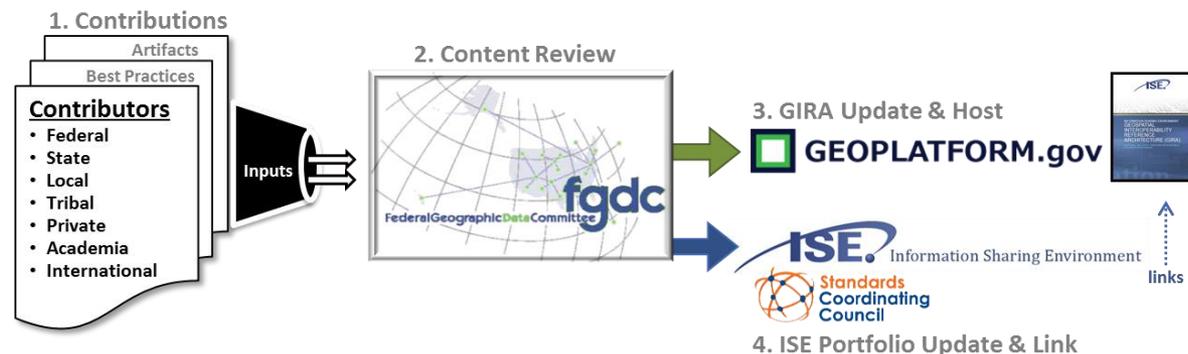
The Ask:

Lead: The FGDC through their Steering Committee and Coordination Group shall develop:

- 1) Governance implementation options and recommendations
- 2) A management strategy for the hosting, sustainment, and enhancement of the GIRA as a 'community sourced' collaboration resource and to be hosted on the GeoPlatform (and potentially other federated sites).

- The assessment will include governance structure, update cycle, both dynamic and incremental as well as content verification and validation procedures.

Co-Lead: The PM-ISE, through their oversight responsibilities for the Standards Coordinating Council (SCC), shall provide recommendations to the FGDC as to governance models for the update cycles and its content verification and validation procedures for the GIRA.



NGDA Management Plan

Dataset Registration Changes

- ◆ Dataset list refined during the registration process
 - Duplicate sources resolved, project/limited use data removed, important data added/reorganized
 - Changes prior to April 2015 add/remove process approved
- ◆ Reflects hard work by the agencies to validate and resolve data source, hosting, and content issues
- ◆ Supports the goal of refining the Federal holdings of national geospatial data assets

Total NGDAs September 16, 2014	188
NGDAs Added	+ 2
NGDAs Removed	- 1
NGDAs Duplicates Removed	- 1
NGDAs Reorganized	- 9 (17 NGDA reorganized into 8 NGDAs)
Total NGDAs June 4, 2015	179

NGDA Dataset Registration in GeoPlatform.gov/Data.gov

- ◆ **Action 1B.2:** Theme Leads and Dataset Managers registering NGDA Datasets in GeoPlatform.gov/Data.gov catalog -
 - NGDA MP Due date - March 31, 2015 ~ 80% complete
 - Project 100% complete by June 30, 2015 (except for on-hold datasets)
 - Some technical issues are being resolved
 - **Outcome:** Improved access to data to support Agency missions
 - **SC Action:** Continue to ensure your agency's nationally important geospatial data are added/included.

NGDA Dataset Registration in GeoPlatform.gov/Data.gov Catalog

NGDA Registration Status	Totals	Percentage as of May 27, 2015
Total NGDA	179	
Complete	164	92%*
In Progress	9	5%
Pending	6	3%

* 95% NGDA Metadata Registration complete when not counting NGDAs "On Hold"

NGDA Dataset Registration in GeoPlatform.gov/Data.gov Catalog

Theme	NGDA Total	NGDA Complete	NGDA in Progress	Not started	On Hold	Percent Complete (including NGDAs on hold)
Biota	7	7	0	0	0	100%
Cadastral	20	13	5	0	2	75%
Climate and Weather	5	5	0	0	0	100%
Cultural Resources	4	3	0	0	1	100%
Elevation	10	10	0	0	0	100%
Geodetic Control	4	4	0	0	0	100%
Geology	6	5	0	0	1	100%
Governmental Units, and Administrative and Statistical Boundaries	41	39	0	0	2	100%
Imagery	9	6	3	0	0	67%
Land Use - Land Cover	14	14	0	0	0	100%
Real Property	15	15	0	0	0	100%
Soils	5	4	1	0	0	80%
Transportation	16	16	0	0	0	100%
Utilities	2	2	0	0	0	100%
Water - Inland	5	5	0	0	0	100%
Water - Oceans and Coasts	16	16	0	0	0	100%
Total	179	164	9	0	6	
Percentages-May 29, 2015		92%	5%	0%	3%	

Geospatial Investment Definitions and Budget Report Codes

- ◆ **Action 1E.1:** Geospatial investment definitions and budget report codes
 - Interagency Team revised 2006 Geospatial Investment Definitions document and completing appendices
 - FGDC ExCom review of Definitions document due June 5
 - **Outcome:** Improved reporting on geospatial data investments to enhance budget planning and execution by providing consistent definition and coding
 - **Pending SC Action:** Review and approval of definitions and codes



NGDA Data Themes and Framework

- ◆ Framework Data: Seven themes of geospatial data that are used by most GIS applications

Geodetic Control

Orthoimagery

Elevation and Bathymetry

Transportation

Hydrography

Cadastral

Governmental Units

- *per OMB Circular A-16*

- ◆ FGDC OS will do a comparison on the alignment of Framework themes to NGDA Themes
- ◆ NGDA Data Themes list will be annotated to identify which of the 16 themes aligns with the Framework Themes – similar to A-16 Appendix E

NSDI Plan – Recent Accomplishments

- Completed Geospatial Interoperability Reference Architecture document (Obj 1.1)
- Established/enhanced Geospatial Platform Marketplace (Obj 1.2)
- Established/enhanced A-16 Theme Communities on Geospatial Platform (Obj 1.2)
- Awarded Cloud Services contract (Obj 1.3)
- Executed multiple NGDA implementation actions (Obj 2.1)
- Completed draft Geospatial Investment Definitions (Obj. 2.2)
- Developed draft NSDI/Geospatial Platform Communications Strategy Outline (Obj. 3.3)



NSDI Plan – Timeline

April 2015 – Completed FY 2015 NSDI Implementation Plan update

- Finalized FY 15 targets

May/June 2015 – CG WorkPlan

- Reviewed CG actions related to NSDI Implementation Plan
- Incorporate into CG Workplan

Sept 2015 – FY 15 Status Report

- FGDC will prepare FY 15 Status Report – similar to FY 14 Report
- Report results for FY 15 Tasks/Targets

FY 16 Q1 – Finalize FY 16 Tasks Targets

FGDC Standards Activities

- ◆ Next FGDC Standards WG meeting: Thursday, June 18, 9:30 AM – 3:00 PM.
 - DHS, Room 5219, 301 7th Street SW, Washington DC
 - Confirmed agenda topics:
 - ◆ GEO Standards & Interoperability Forum
 - ◆ Infrastructure for Spatial Information in the European Community (INSPIRE)
 - ◆ 2015 ASPRS Positional Accuracy Standards for Digital Geospatial Data
 - ◆ Geospatial Platform standards architecture
 - ◆ final draft Part 2, Digital orthoimagery (revised), of the Geographic Information Framework Data Standard for recommendation for CG approval for FGDC endorsement



FGDC Standards Activities

- ◆ The following standards are pending FGDC Steering Committee endorsement:
 - Aeronautical Information Exchange Model (AIXM) 5.1
 - ISO/IEC 15444-1:2004 Technical Corrigenda 1:2007 and 2:2008 JPEG 2000
 - OGC GeoPackage 1.0
 - Geopolitical Entities, Names, and Codes (GENC) Standard Edition 2
 - GeoRSS-Simple and GeoRSS-GML



GWG Standards activities

- ◆ **2015-06-18** 15-1 GWG voting meeting. Change requests of interest:

ISO 8601:2004	Data elements and interchange formats -- Information interchange - -- Representation of dates and times
ISO 19107:2003	Geographic information - Spatial schema
ISO 19108:2002 w/ Cor 1:2006	Geographic information - Temporal schema
ISO 19110:2005 w/Amd 1:2011	Geographic information - Methodology for feature cataloguing
ISO 19111:2007	Geographic information -- Spatial referencing by coordinates
ISO 3166-1:2013	Codes for the representation of names of countries and their subdivisions Part 1: Country codes
ISO 3166-2:2013	Codes for the representation of names of countries and their subdivisions Part 2: Country subdivision code
ISO 19119:2005 w/ Amd 1:2008	Geographic information - Services, w/Amd 1:2008
OGC CAT 2.0.2 - ISO Metadata	OpenGIS Catalogue Services Specification 2.0.2 - ISO Metadata Application Profile 1.0, 2007-07-19

FGDC Standards Activities

- ◆ There will be a presentation and discussion on Objective 3.1, *Lead and participate in the development and coordination of national and international standards*, of the NSDI Strategic Plan, at the July 14 CG meeting.



Questions?

